

GRATTEN GA40XX Series Spectrum Analyzer

Technical Spec comparison

7.5GHz Model						
Brand	Model	Frequency	Aging Rate	Resolution Bandwidth	Phase Noise	DANL
GRATTEN	GA4064	9kHz to 7.5 GHz	0.1ppm/year	1Hz to 3MHz, Sequence 1-3-10	-95dBc/Hz @10kHz	-160 dBm (typical)
	GA4064-TG	9kHz to 7.5 GHz	0.1ppm/year	1Hz to 3MHz, Sequence 1-3-10	-95dBc/Hz @10kHz	-160 dBm (typical)
AGILENT	N9322C	9 kHz to 7 GHz	0.1ppm/year	10 Hz to 3 MHz, In 1-3-10 sequence	-90dBc/Hz	-152 dBm
	N9322C+TG	9 kHz to 7 GHz	0.1ppm/year	10 Hz to 3 MHz, In 1-3-10 sequence	-90dBc/Hz	-152 dBm

3GHz Model						
Brand	Model	Frequency	Aging Rate	Resolution Bandwidth	Phase Noise	DANL
GRATTEN	GA4063	9kHz~3GHz	0.1ppm/year	1Hz to 3MHz, sequence 1-3-11	-95dBc/Hz @10kHz	-160dBm (typical)
	GA4063-TG	9kHz~3GHz	0.1ppm/year	1Hz to 3MHz, sequence 1-3-10	-95dBc/Hz @10kHz	-160 dBm (typical)
	GA4033	9kHz~3GHz	0.1ppm/year	100Hz to 1MHz, sequence 1-3-10	-90dBc/Hz @10kHz	-140 dBm (typical)
	GA4033-TG	9kHz~3GHz	0.1ppm/year	100Hz to 1MHz, sequence 1-3-10	-90dBc/Hz @10kHz	-140 dBm (typical)
RIGOL	DSA1030A	9kHz~3GHz	3ppm/year	10Hz to 1MHz Sequence 1-3-10	-88dBc/Hz @10kHz	-148dBm (Typical)
	DSA1030A-TG	9kHz~3GHz	3ppm/year	10Hz to 1MHz, sequence 1-3-10	-88dBc/Hz @10kHz	-148dBm (Typical)
	DSA1030	9kHz~3GHz	3ppm/year	100Hz to 1MHz, sequence 1-3-10	-80dBc/Hz @10kHz	-138dBm (Typical)
	DSA1030-TG	9kHz~3GHz	3ppm/year	100Hz to 1MHz, sequence 1-3-10	-80dBc/Hz @10kHz	-138dBm (Typical)

GWINSTEK	GSP-730	150kHz ~ 3GHz	± 10ppm,0-50 C, 5ppm/yr	30kHz/100kHz/300kHz/1MHz	-85dBc/Hz(offset500kHz)	-110dBm (Typical)
	GSP-830	9 kHz to 3 GHz	± 10ppm,0-50 C, 5ppm/yr		-80dBc/Hz @1GHz 20kHz offset	-135dBm (Typical)
	GSP-830+TG	9kHz to 3GHz	± 10ppm,0-50 C, 5ppm/yr		-80dBc/Hz @1GHz 20kHz offset	-135dBm (Typical)
	GSP930	9kHz to 3GHz	2ppm /year	10Hz to 10kHz in 1-3-10 seq	-88dBc/Hz @1GHz, 10kHz Offset	-122 dBm
	GSP930+TG	9kHz to 3GHz	2ppm /year	10Hz to 10kHz in 1-3-10 seq	-88dBc/Hz @1GHz, 10kHz Offset	-122 dBm

1.5GHz Model						
Brand	Model	Frequency	Aging Rate	Resolution Bandwidth	Phase Noise	DANL
GRATTEN	GA4062	9kHz~1.5GHz	0.1ppm/year	1Hz to 3MHz, sequence 1-3-10	-100dBc/Hz @10kHz	-160 dBm (typical)
	GA4062-TG	9kHz~1.5GHz	0.1ppm/year	1Hz to 3MHz, sequence 1-3-10	-100dBc/Hz @10kHz	-160 dBm (typical)
	GA4032	9kHz~1.5 GHz	1ppm/year	100Hz to 1MHz, sequence 1-3-10	-90dBc/Hz @10kHz	-140 dBm (typical)
	GA4032-TG	9kHz~1.5 GHz	1ppm/year	100Hz to 1MHz, sequence 1-3-10	-90dBc/Hz @10kHz	-140 dBm (typical)
RIGOL	DSA815	9kHz~1.5GHz	2ppm/year	100Hz to 1MHz, Seq 1-3-10	-80dBc/Hz @10kHz	-135dBm (Typical)
	DSA815-TG	9kHz~1.5GHz	2ppm/year	100Hz to 1MHz, Seq 1-3-10	-80dBc/Hz @10kHz	-135dBm (Typical)
GWINSTEK	GSP-810	150kHz ~ 1GHz	± 5ppm/yr	3kHz/30kHz/220kHz/4MHz	-77dBc/Hz(offset300kHz)	-100dBm
HAMEG	HMS 1000	100kHz ~1.6GHz	±1 ppm/year	100Hz~1MHz, in 1-3 steps, 200kHz	-100dBc/Hz (offset100kHz)	-135dBm (Typical)

 Superior specification than the competition.